

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,528
Source: Pg 1/10
Date Processed by STIC: 10/16/04

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PCT

RAW SEQUENCE LISTING

DATE: 10/16/2004

PATENT APPLICATION: US/10/510,528

TIME: 09:01:12

Input Set : A:\P03052US0.txt

Output Set : N:\CRF4\10162004\J510528.raw

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3 <110> APPLICANT: Coffin, Robert
4   Booth, Matthew
6 <120> TITLE OF INVENTION: Adeno-Associated Virus Producer System
8 <130> FILE REFERENCE: HO-P03052US0
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/510,528
C--> 11 <141> CURRENT FILING DATE: 2004-10-07
13 <150> PRIOR APPLICATION NUMBER: PCT/GB03/01585
14 <151> PRIOR FILING DATE: 2003-04-11
16 <150> PRIOR APPLICATION NUMBER: UK 0208390.5
17 <151> PRIOR FILING DATE: 2002-04-11
19 <160> NUMBER OF SEQ ID NOS: 2
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1539
25 <212> TYPE: DNA
26 <213> ORGANISM: Herpes simplex virus
28 <400> SEQUENCE: 1
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31 gacgaggacc ccccgagacc ggcgagagac cgccgcgacg acctggaatc ggacagcaac      120
33 ggggagtgtt cctcgctcga cgaggacatg gaagaccccc acggagagga cggaccggag      180
35 ccgatactcg acgccgctcg cccggcggtc cgcccgcttc gtccagaaga ccccggcgta      240
37 cccagcacc cagacgcctcg tccgacggag cggcagggcc ccaacgatcc tcaaccagcg      300
39 cccacagtg tgtggtcgcg cctcggggccc cggcgaccgt cttgctcccc cgagcggcac      360
41 gggggcaagg tggccgcct ccaaccccc cggaccaaag cccagcctgc ccgcggcgga      420
43 cgccgtgggc gtgcgagggg tcgggggtcgc ggtggtcccc gggccgcca tggtttgtcg      480
45 gacccccgcc ggcgtgcccc cagaaccaat cgcaaccggg ggggaccccc ccccggggag      540
47 ggggtggacgg acggccccgg cgccccccat ggcgaggcgt ggcgcggaag tgagcagccc      600
49 gacccacccg gagggccgcg gacacggagc gtgcgccaag ccccccccc gctaatacag      660
51 ctggcgattg ccccccgcc cgcggaaccc cgcgccccgg ccccgagcgg aaaggcgccc      720
53 gccgcgcaca ccacgcagc caccacgcgg ttggtcctgc gctccatctc cgagcgcgag      780
55 gcggtcgacc gcatcagcga gagcttcggc cgcagcgcac aggtcatgca cgacccttt      840
57 ggggggcagc cgtttccgc cgcaatagc ccctgggccc cgggtgctggc gggccaagga      900
59 gggccctttg acgcgagac cagacgggtc tcctgggaaa ccttggtcgc ccacggccc      960
61 agcctctatc gcacttttgc cggcaatcct cgggcccgcac cgaccgcaa ggccatgcgc      1020
63 gactgcgtgc tgcgccaaga aaatttcacg gaggcgtggt cctccgcca cgagacgctg      1080
65 gcgtggtgca agatgtgcat ccaccacaac ctgccgtgct gccccagga cccattatc      1140
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71 gacattaagg acattgcac ctctcggttt gtcattctgg ccaggctcgc caaccgcgtc      1320
73 gacgtggcg tcgcggagat cgactacgcg acccttggtg tcggggtcgg agagaagatg      1380
75 catttctacc tccccggggc ctgcatggcg ggcctgatcg aaatcctaga cacgcaccgc      1440
77 caggagtgtt cgagtcgtgt ctgcgagttg acggccagtc acatcgtcgc cccccgtac      1500
79 gtgcacggca aatattttta ttgcaactcc ctgttttag      1539

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82 <210> SEQ ID NO: 2
83 <211> LENGTH: 512
84 <212> TYPE: PRT
85 <213> ORGANISM: Herpes simplex virus
87 <400> SEQUENCE: 2
89 Met Ala Thr Asp Ile Asp Met Leu Ile Asp Leu Gly Leu Asp Leu Ser
90 1      5      10      15
93 Asp Ser Asp Leu Asp Glu Asp Pro Pro Glu Pro Ala Glu Ser Arg Arg
94      20      25      30
97 Asp Asp Leu Glu Ser Asp Ser Asn Gly Glu Cys Ser Ser Ser Asp Glu
98      35      40      45
101 Asp Met Glu Asp Pro His Gly Glu Asp Gly Pro Glu Pro Ile Leu Asp
102      50      55      60
105 Ala Ala Arg Pro Ala Val Arg Pro Ser Arg Pro Glu Asp Pro Gly Val
106 65      70      75      80
109 Pro Ser Thr Gln Thr Pro Arg Pro Thr Glu Arg Gln Gly Pro Asn Asp
110      85      90      95
113 Pro Gln Pro Ala Pro His Ser Val Trp Ser Arg Leu Gly Ala Arg Arg
114      100     105     110
117 Pro Ser Cys Ser Pro Glu Arg His Gly Gly Lys Val Ala Arg Leu Gln
118      115     120     125
121 Pro Pro Pro Thr Lys Ala Gln Pro Ala Arg Gly Gly Arg Arg Gly Arg
122      130     135     140
125 Arg Arg Gly Arg Gly Arg Gly Gly Pro Gly Ala Ala Asp Gly Leu Ser
126 145     150     155     160
129 Asp Pro Arg Arg Arg Ala Pro Arg Thr Asn Arg Asn Pro Gly Gly Pro
130      165     170     175
133 Arg Pro Gly Ala Gly Trp Thr Asp Gly Pro Gly Ala Pro His Gly Glu
134      180     185     190
137 Ala Trp Arg Gly Ser Glu Gln Pro Asp Pro Pro Gly Gly Pro Arg Thr
138      195     200     205
141 Arg Ser Val Arg Gln Ala Pro Pro Pro Leu Met Thr Leu Ala Ile Ala
142      210     215     220
145 Pro Pro Pro Ala Asp Pro Arg Ala Pro Ala Pro Glu Arg Lys Ala Pro
146 225     230     235     240
149 Ala Ala Asp Thr Ile Asp Ala Thr Thr Arg Leu Val Leu Arg Ser Ile
150      245     250     255
153 Ser Glu Arg Ala Ala Val Asp Arg Ile Ser Glu Ser Phe Gly Arg Ser
154      260     265     270
157 Ala Gln Val Met His Asp Pro Phe Gly Gly Gln Pro Phe Pro Ala Ala
158      275     280     285
161 Asn Ser Pro Trp Ala Pro Val Leu Ala Gly Gln Gly Gly Pro Phe Asp
162      290     295     300
165 Ala Glu Thr Arg Arg Val Ser Trp Glu Thr Leu Val Ala His Gly Pro
166 305     310     315     320
169 Ser Leu Tyr Arg Thr Phe Ala Gly Asn Pro Arg Ala Ala Ser Thr Ala
170      325     330     335
173 Lys Ala Met Arg Asp Cys Val Leu Arg Gln Glu Asn Phe Ile Glu Ala
174      340     345     350

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177 Leu Ala Ser Ala Asp Glu Thr Leu Ala Trp Cys Lys Met Cys Ile His
178           355           360           365
181 His Asn Leu Pro Leu Arg Pro Gln Asp Pro Ile Ile Gly Thr Ala Ala
182           370           375           380
185 Ala Val Leu Asp Asn Leu Ala Thr Arg Leu Arg Pro Phe Leu Gln Cys
186 385           390           395           400
189 Tyr Leu Lys Ala Arg Gly Leu Cys Gly Leu Asp Glu Leu Cys Ser Arg
190           405           410           415
193 Arg Arg Leu Ala Asp Ile Lys Asp Ile Ala Ser Phe Val Phe Val Ile
194           420           425           430
197 Leu Ala Arg Leu Ala Asn Arg Val Glu Arg Gly Val Ala Glu Ile Asp
198           435           440           445
201 Tyr Ala Thr Leu Gly Val Gly Val Gly Glu Lys Met His Phe Tyr Leu
202           450           455           460
205 Pro Gly Ala Cys Met Ala Gly Leu Ile Glu Ile Leu Asp Thr His Arg
206 465           470           475           480
209 Gln Glu Cys Ser Ser Arg Val Cys Glu Leu Thr Ala Ser His Ile Val
210           485           490           495
213 Ala Pro Pro Tyr Val His Gly Lys Tyr Phe Tyr Cys Asn Ser Leu Phe
214           500           505           510

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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date